 **Ravi**

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* **8+** years of experience dealing with ETL tools like **Talend**, **Datastage** with expertise in analysis, design, development & implementation of Data warehousing with **MS SQL** Server,Teradata, Sybase**, Oracle**, **Postgres** databases on Windows and UNIX platforms
* Extensive knowledge on normalized and dimensional modeling techniques and **Dimensional Data modeling**, **Star Schema** modeling, **Snow-Flake** modeling, Fact and Dimensions tables, **Slowly Changing Dimensions(SCD’s)** for Data warehouse and data marts and Data Sources and implementation using Talend and Datastage.
* Expert in using the Talend Troubleshooting and Datastage to understand the errors in Jobs and used the tMap/expression editor to evaluate complex expressions and look at the transformed data to solve mapping issues.
* Extensive experience in database programming using **SQL** that includes stored Procedures, functions and Packages.
* Developed parallel jobs using different processing stages like**Transformer, Aggregator, Lookup, Join, Sort, Copy, Merge, Funnel, CDC, Change Apply and Filter** ODBC, Shared containers and local containers, parameter sets etc
* Experience using all stages in **sequencers** and create parallel jobs with **RCP** and Multi instance.
* Good at using necessary **partition** techniques in the jobs to achieve the best performance results.
* Actively involved in data collection, group discussions and analysis. I have also played a key role in comprehensive analysis with regards to the functional flow of the projects and lead the team in database designing and maintenance.
* Proficiency in **developing**, **testing** and **performance** tuning Datastage parallel and server jobs. Good at creating Shared containers and reusable mappings.
* Ability to work effectively and efficiently in a team and individually, discerning **long term project** development issues at **multiple levels**.
* In addition to my enthusiasm, I will bring to the position strong communication skills, flexibility, and the ability to encourage others to work cooperatively with the department.
* Good at automating jobs for overcoming complex SLA’s and dependencies using **Autosys**
* Experience in Performance Tuning of targets, mappings and sessions as per Industry standards thus helped DBA’s to create suitable database **partition** techniques for obtaining best results using Talend and Datastage.
* Extracted data from source systems like **Amazon S3**, **Salesforce**, **Five9**, Apache **Kafka**, **Back Office** and **SQL Server Databases**

**EDUCATION**

* Masters in Computer Science Engineering (MS)

University of Central Missouri, Warrensburg, MO

* Bachelors Of Technology (B.Tech),

V R Siddhartha Engineering College, Acharya Nagarjuna University, India

**Certifications :** IBM Certified Professional for Datastage Enterprise Editionv8

**Domains :** Mortgage,Health Care,Banking ,Finance, Retail etc

**Technical Skills**

**ETL Tool :** IBM Infosphere Information Server Datastage 9.1,8.7, 8.5, Ascential

Datastage 8.1, Talend Platform for MDM 5.4.2(Enterprise),,

Talend Open Studio 6.3,6.2.6.1,

Tableau8.2

**Data Modeling :** Star-Schema Modeling, Snowflake-Schema Modeling,

Erwin Data Modeling 3.x/4.x

**RDMS :** Oracle 11i,10g,9i/8i/7.x, MS SQL Server 6.5/7.0, 2000, DB2,

Teradata,SQL Server 12.0/11.x, Postgresql, Pg Admin 9.6,9.5, DB2, MySql

**Environments :** UNIX (IBM-AIX, Sun Solaris, HP-UX, AWS Server),

Windows 7/XP, and MS-DOS.

**/Platforms**

**Scheduling :** CA7, Unicenter, AutoSys Workload Automation.

**Programming :** SQL, PL/SQL, Unix Shell Scripting (Korn shell, c shell, bash shell,

**Languages** Bourne shell), C, C++.

**Other Tools :** TOAD for DB2, Teradata SQL Assistant, TOAD, SQL Developer, Quality

Center, Autosys, Star Team SharePoint and Shared Drive.

**Professional Experience**

**Capital One, Richmond, VA May 2016-Till Date**

**(Employer : CDI Solutions Inc)**

**Sr. ETL (Talend/ Datastage) Developer**

Capital One offers credit cards, checking and savings accounts, auto loans, rewards, and online banking services for individuals and businesses. The project was to design, develop and maintain a data warehouse to understand the client needs, undertake trend analysis, provide better customer service and assess current and future profitability.

**Responsibilities:**

* Involved in gathering requirements from users and involved in modifying various technical Specifications in the Development phase to Maintenance Phase.
* Understanding existing business model and customer requirements.
* Designing, developing and deploying end-to-end Data Integration solution.
* Implemented Dimensions (SCD) Type1, Type 2 to capture the changes using Talend ETL Tool
* Preparing technical Design Documents and mapping the data.
* Develop ETL mappings for various sources (.TXT, .CSV, JSON) and also load the data from these sources into relational tables with Talend Open Studio.
* Created Projects, jobs in Talend Open Studio
* Used the Talend Components like tmap,tparallelise,tmssqlinput,tpostgreslqoutput etc
* Worked on Global Context variables, Context variables and Extensively used over 100+components in Talend to create jobs.
* Used various common Talend transformations components like tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator, tSetGlobalVar, tHashInput & tHashOutput and many more
* Worked on Error handling techniques and tuning the ETL flow for better performance.
* Worked on Kafka Message Broker for Real time jobs
* Loaded data into Staging, Hub and Data Marts.
* Worked on SQL for extracting the data from the source.
* Experience working with Amazon Web Services (AWS) Server and worked effectively in Agile Environment
* Deployed solutions that maximize consistency and usability of the data.

**Environment:** Talend Open studio 6.3,6.2,6.1, UNIX (AWS server), SQL Server2012, Postgresql, Pg Admin 9.6,9.5, Windows 7.

**Ellie Mae, Pleasanton, CA Oct 2015- March 2016**

**Sr. Talend Developer**

Ellie Mae, Inc. is a leading provider of innovative on-demand software solutions and services for the residential mortgage industry. Ellie Mae’s all-in-one Encompass mortgage management solution provides one system of record that allows banks, credit unions and mortgage lenders to originate and fund mortgages and improve compliance, loan quality and efficiency.

**Responsibilities:**

* Worked on Star Schema and Snowflake Schema.
* Proactively evaluated the quality and integrity of data required by the users to satisfy their business needs.
* Designed and Implemented the ETL process using Talend Platform for MDM (Enterprise Edition) to load the data from Source to Target Database.
* Involved in Data Extraction from Oracle, Flat files using Talend by using Java as Backend Language.
* Expert in designing Parallel jobs using various stages like Join, Merge, Lookup, Remove duplicates, Filter, Dataset, Lookup
* Used DataStage as an ETL tool to extract data from sources systems, loaded the data into the SQL Server database
* Develop ETL mappings for various Sources and also loadthe data from these sourcesinto relational tables with Talend Enterprise Edition
* Create ETL Mapping to pull data from Source, apply transformations, and load data into target database
* Developed Source to Target Mapping documentation based on business requirement specifications. Worked on Error handling techniques and tuning the ETL flow for better performance.
* Used the stage Change Data Capture(CDC) in Datastage to capture the data and implemented the Slowly Changing Dimension Type 1 and Type 2
* Used the DataStage Director and its run-time engine to schedule running the solution, testing and debugging its components and monitoring the resulting executable versions on an ad hoc or scheduled basis
* Extensively Used Talend components tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator, tOracleInput, tOracleOutput, tfileList, tDelimited etc
* Scheduling the ETL mappings on daily, weekly, monthly and yearly basis.

**Environment:**Talend Platform for MDM 5.4.2 (Enterprise Edition),IBM Datastage 9.1,8.7,SQL Server, Windows 7,Tableau 8.2,Unix

**TIAA-CREF, Charlotte, NC August 2014-Sep 2015**

**Sr. Dataware House Developer**

Teachers Insurance and Annuity Association – College Retirement Equities Fund (TIAA–CREF) is a Fortune 100 financial services organization that is the leading retirement provider for people who work in the academic, research, medical and cultural fields. TIAA–CREF serves 3.7 million active and retired employees participating at more than 15,000 institutions and has $487 billion in combined assets under management

Much of TIAA–CREF operates on a nonprofit basis, with surplus returned to participants. In 2013, TIAA–CREF ranked 97th on Fortune's list of the 500 largest corporations in America.

**Responsibilities:**

* Involved in gathering requirements from users and involved in modifying various technical Specifications inthe Development phase to Maintenance Phase.
* Designing, developing and deploying end-to-end Data Integration solution.
* Implemented Dimensions (SCD) Type1, Type 2to capture the changes using Talend ETL
* Develop ETL mappings for various Sources (.TXT, .CSV, XML) and also loadthe data from these sources into relational tables with Talend Enterprise Edition.
* Worked on Global Context variables, Context variables, and Extensively used over 100+components in Talend to create jobs.
* Worked on Error handling techniques and tuning the ETL flow for better performance.
* Worked Extensively TAC (Admin Console), where we Schedule Jobs in Job Conductor
* Loaded data into Staging, Hub and Data Marts.
* Worked on SQL for extracting the data from the source.
* Experience in working with Change Capture, Lookup join, transformers, connector stage and sequential file stage.

**Environment:** Talend Enterprise Big Data Edition 5.5.1, IBM Datastage 9.1,8.7, UNIX, Oracle, SQL Server, Windows XP.

**Macys.com, San Francisco, CA July 2013- June 2014**

**Sr. ETL Developer**

Macys is one of the leading Fashion retail chains in US where the business is interested to know the customer preferences for marketing the business through email, mobile. There are different source systems which will capture the customer preferences. This project is to capture the customer data and preferences from the source system and create a customer hub. This data will be used by the marketing team to promote the sales operations. Data is consumed from different sources which will be cleansed in DataStage in the staging layer. Data is passed through integration layer where the Business transformations are applied and finally loaded into the target DB2 database.

**Responsibilities:**

* Involved with business analysts to understand the business requirement specifications and implemented the ETL jobs using Datastage. Deployed the solutions that maximize the consistency and usability of data.
* Created Projects, jobs in Talend Open Studio.
* Worked with Oracle SQL Developer while Implementing Unit Testing of ETL Talend Jobs.
* Understanding existing business model and customer requirements.
* Preparing technical Design Documents and mapping the data.
* Involved in system integration testing and UAT of the data.
* Design & Development of DataStage Jobs with Unit Testing.
* Extensively used Datastage Director for monitoring and debugging of jobs and sequences.
* Designed ETL jobs to identify and remove duplicate rows using remove duplicate stage.
* Convert business requirements into System Requirement Specifications (SRS)
* Extensively worked with surrogate key generator to generate warehouse keys before loading data into warehouse.
* Deployed solutions that maximize consistency and usability of the data.
* Developed jobs in IBM InfoSphere Parallel Extender PX using different stages like Transformer, Aggregator, Lookup, SCD, Join, Merge, Modify, Remove Duplicate, Sort, Peek, Change capture, Filter, Copy, Sequential File, Data Set, etc.
* Designed Datastage sequences to specify Job execution order.
* Extensively used Control M Scheduler Tool to schedule Datastage jobs.
* Tuned Datastage jobs to obtain better performance.
* Unit Test Datastage Jobs in development including creating the appropriate test data.
* Proactively evaluated the quality and integrity of data required by the users to satisfy their business needs.
* Identified strengths and opportunities for data improvement.
* Performed Unit Testing and System Testing.
* Developed UNIX Shell Scripting to automate file manipulation, data loading procedures, Data Conversion and scheduling jobs.
* Self-documenting ETL Jobs to comply with Metadata standards.
* Developed and maintained Technical documentation and run books.

**Environment:**IBM Information server 8.1, 8.5, 8.7(Administrator, Designer, Director),Talend Open Studio 5.0.1,Oracle11g, DB2v10.1.0.2, Teradata, PL/SQL, SQL Loader, *UNIX*, Control M, Windows 7.

**NETAPP, Sunnyvale, CA Nov 2011 – June 2013**

**ETL(Datastage) Developer**

NetApp data storage systems offer IT efficiency, business agility, and simplified management to enterprise data centers. NetApp receives files from various internal and external sources in Delimited files. Datastage extracts data from the incoming sources, processes them according to the business requirements and loads them into the staging tables in Teradata. Also it provides an integrated solution that enables storage, delivery, and management of network data and content to achieve business goals.

**Responsibilities:**

* Communicated with business people, understood their needs and incorporatedthem in a functional document.
* Drafted technical design documents from the functional sheets
* Extensively involved in various iterations for design/develop and testing Datastage code.
* Developed data extractions, transformations and routines.
* Used Teradata utilities Fast export, fast load, and multi load in Datastage
* Extracted data from various sources like DB2, Oracle and Flat Files and loaded to target tables.
* Exported and imported Teradata Meta tables using Datastage manger using Teradata plug-ins.
* Checked the database connectivity using Datastage Designer in higher environment before first cycle run process begins.
* Deployed solutions that maximize consistency and usability of the Datastage jobs and data.
* Developed jobs in Parallel Extender PX using different stages like Transformer, Aggregator, Lookup, Join, Merge, Modify, Remove Duplicate, Oracle Stage, Sort, Peek, Row Generator, Column Generator, Sequential File, and Data Set.
* Designed Datastage sequences to specify Job execution order.
* Loaded data into staging area.
* Tuned Datastage jobs to obtain better performance by using various tuning techniques.
* Worked on UNIX shell scripts to manage FTP and WMQFTE processes.
* Wrote PL/SQL procedures for processing business logic in the database. Tuned SQL queries for better performance.
* Unit tested Datastage Jobs in development including creating the appropriate test data.
* Identified strengths and opportunities for data improvement.
* Implemented Slowly Changing Dimension (SCD) as per business requirement for saving history using Data Stage for dimension tables in Star Schema.
* Supported Datastage environment whenever Datastage jobs got aborted.

**Environment:** IBM Information server 8.0 (Administrator, Designer, Director), Oracle10g, Teradata, PL/SQL, Autosys 4.5, Windows XP.

**Meridian Health May 2009- August 2011**

**ETL/Datastage Developer**

Meridian Health is a premier provider of hospitals in New Jersey, Meridian Health makes available a broad continuum of care through their four hospitals in the Jersey Shore and in-home care and other Meridian Health Services. The project was to design, develop and maintain a data warehouse to understand the client needs, undertake trend analysis, provide better customer service and assess current and future profitability.

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**Responsibilities**:

* Loaded data into staging area.
* Tuned Datastage jobs to obtain better performance by using various tuning techniques.
* Involved in the analysis of source data files using Profile Stage Analysis Server.
* Involved in cleansing process of the data from Unpack repository and flat files.
* Designed the simple and complex data flow for incremental loads of different ETL interfaces.
* Migrated the jobs and sequencers from 7.5 versions to 8.0.
* Fixed the compilation errors and run times issues in Test Environments.
* Played an active role in Debugging, and resolving the loading failures by verifying the log files in production.
* Worked with Datastage Director in running the solution, testing and debugging its components and monitoring the resulting executable.
* Involved in creating and maintaining Sequencer jobs.
* Involved in data cleansing in key process.
* Part of the team which was involved in Performing Unit Testing and integration on Grid Server.

**Environment**: Ascential Datastage 7.5.1 and IBM 8.0 (Administrator, Designer, Manager, Director), Quality Stage 7.5, Oracle 10g, UNIX and Linux, Windows XP.